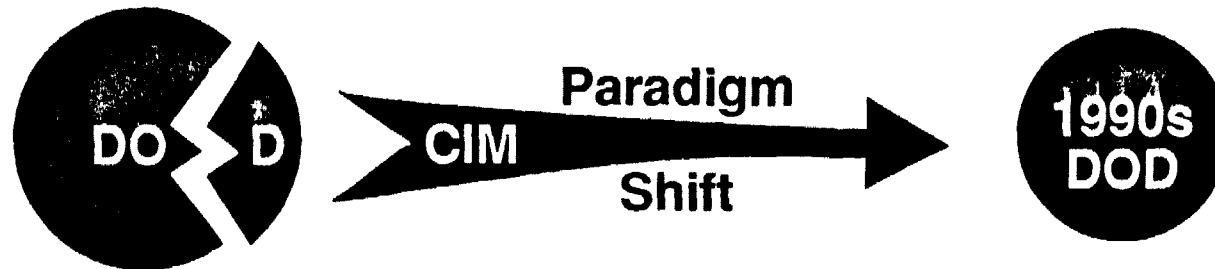# CENTER FOR INFORMATION MANAGEMENT

INFORMATION MANAGEMENT INITIATIVES

PACIFIC SYSTEMS PROCUREMENT AND ACQUISITION DAY

NOVEMBER 18, 1991
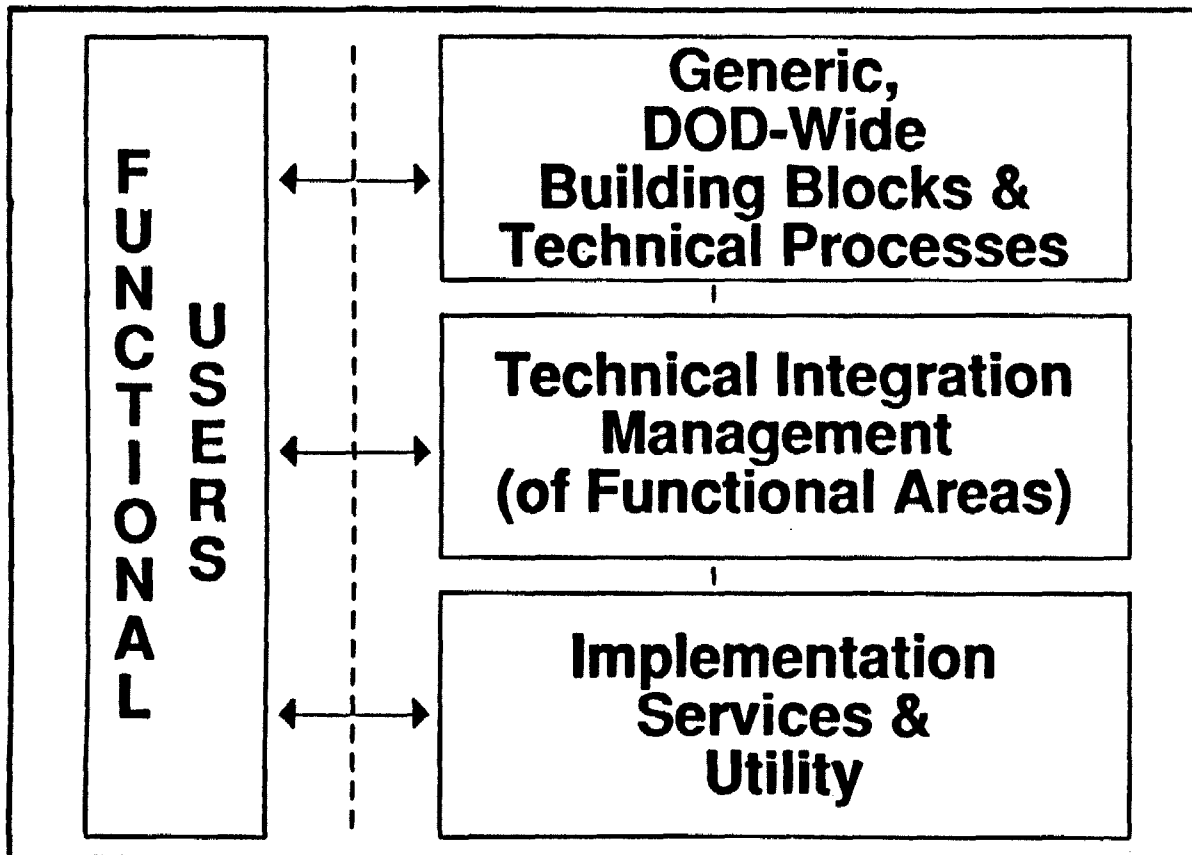
Strategy

DOD → CIM Paradigm Shift → 1990s DOD

Now

Technically-driven
Tactically planned
System-unique
Stovepiped
Custom
Static development
Inefficient

Tomorrow

Mission-driven
Strategically planned
Standards-based
Integrated
COTS
Evolutionary
Competitive & efficient

DISA Framework for Support

FUNCTIONAL USERS		Generic, DOD-Wide Building Blocks & Technical Processes
		Technical Integration Management (of Functional Areas)
		Implementation Services & Utility

- DoD architecture and standards

- Common methods and tools

- Common acquisitions

- Functional area technical/functional integration

- Cross-functional integration

- Use of common "building blocks"

- Specific implementation projects

- Shared utility services, e.g.

  - Defense communication netwo

Significant Recent CIM Developments

Programs:

- Initiation of CIM program in Procurement.

- Designation of TIMs for:
    - Medical
    - Finance
    - Human Resource Management
    - Logistics
    - Acquisition

- Progress in Depot Maintenance CIM program.

- Good progress in Medical CIM programs.

Support

- CIM Reference Model

- Implementation of DoD Data Dictionary services.
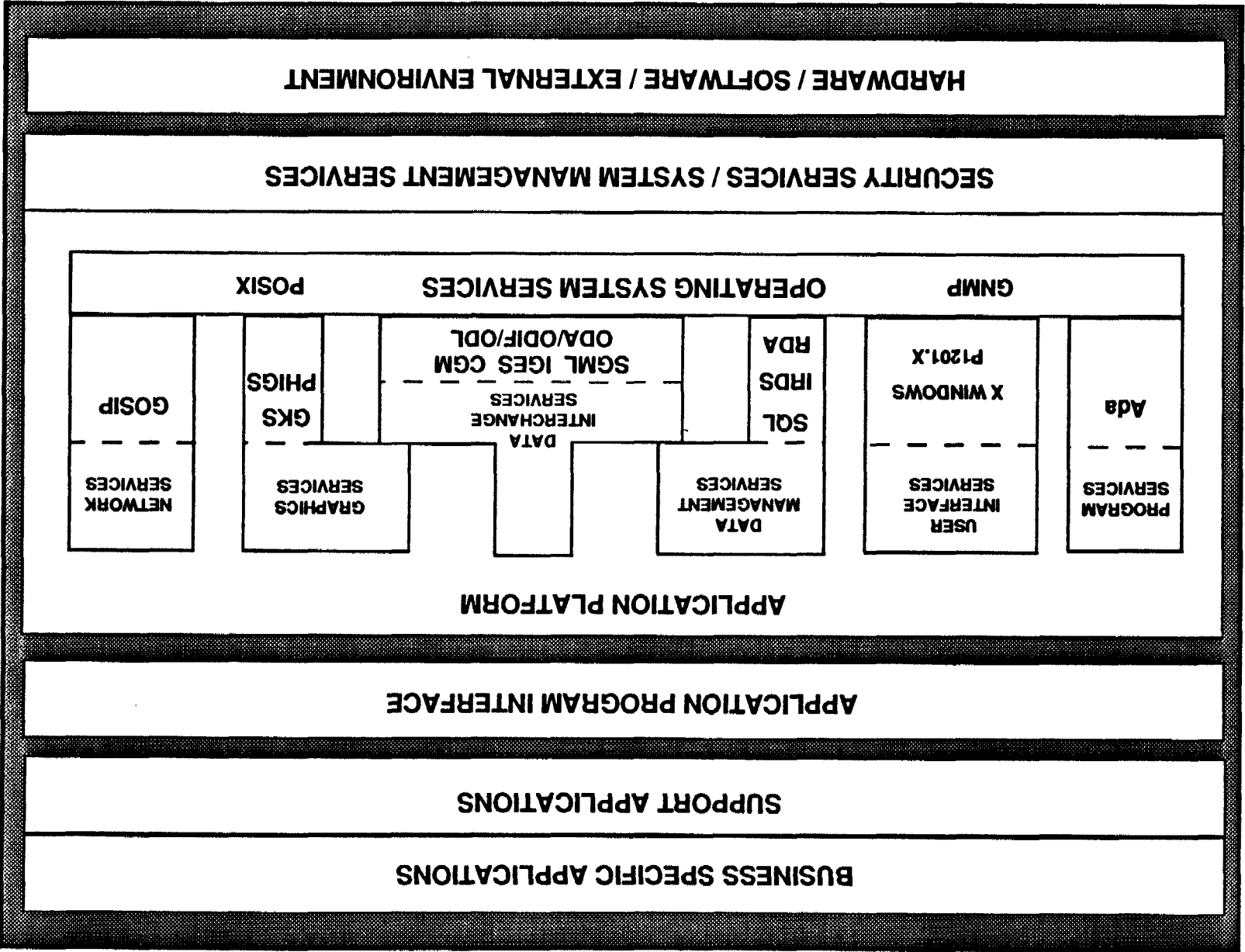
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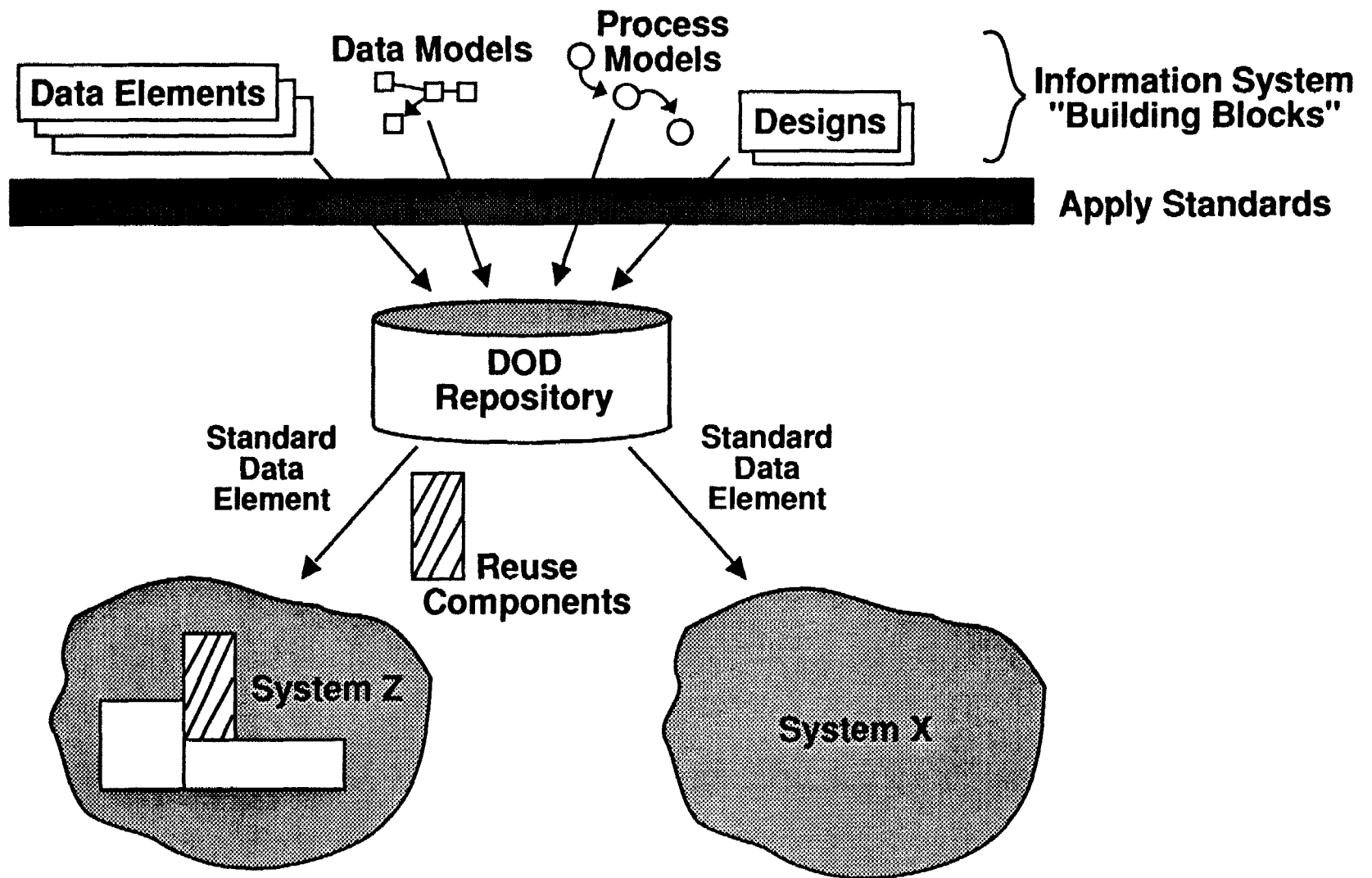
Support

- CIM Reference Model

- Implementation of DoD Data Dictionary services.

- Organization of DoD Technology Re-use Center.

DoD Data Dictionary

- Start-up as DoD (DISA) activity: October 1, 1991

- Includes 7115 Certified Data Definitions

- Estimated Inventory, October, 1992: 50,000 + .
  Will include C3I Data Definitions.

- Requests from VA and CIA to participate.

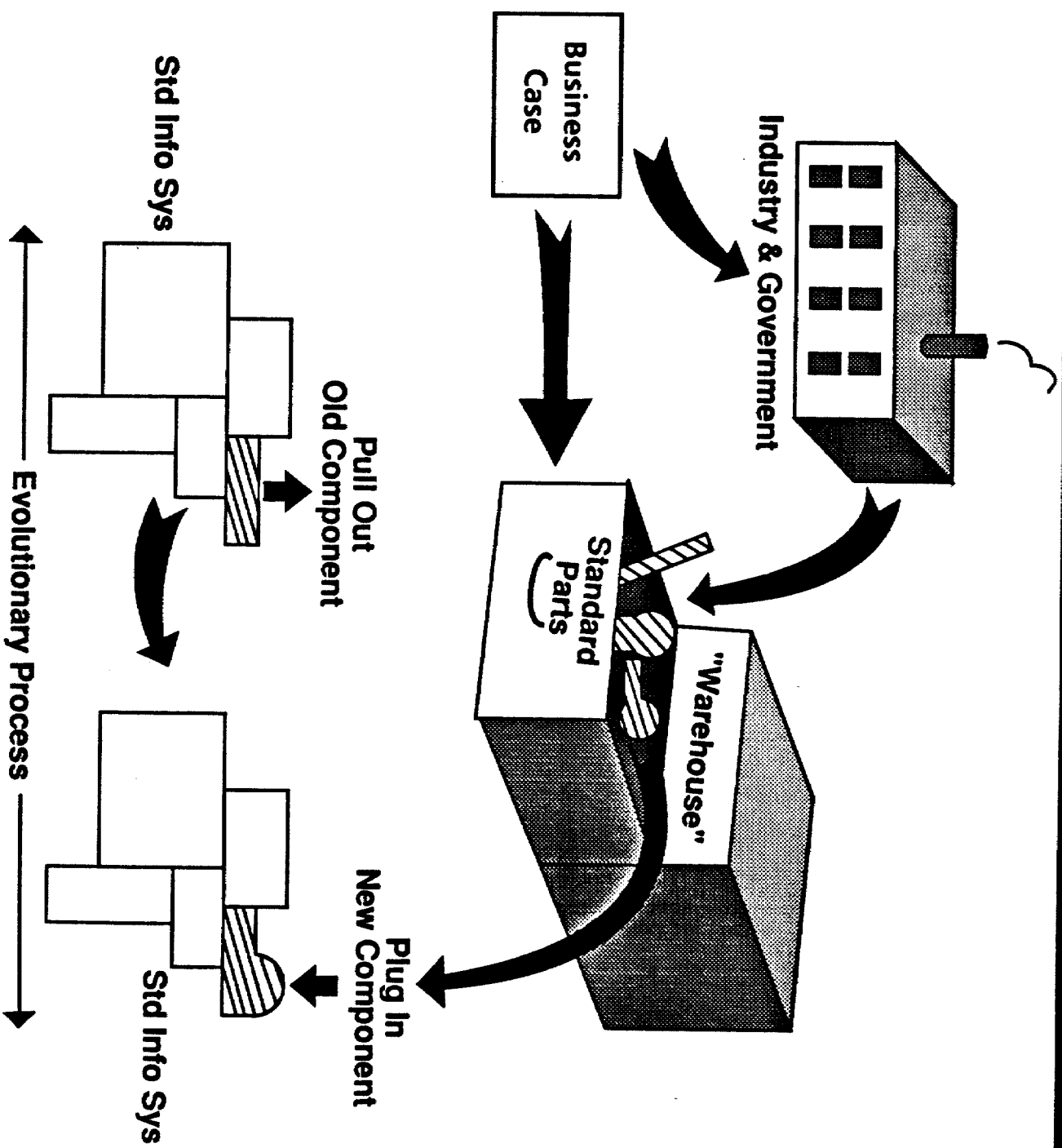- Army first recipient of "Gold Nugget" award for
  initiation of this program

Data Management Process

DoD CIM Technology Reuse Center

- Start-up as DoD(DISA) activity: October 1, 1991

- Initial capitalization of software components: $50 Million

- Estimated Software Inventory, October 1992: $1 Billion

- Administrative Systems Savings: $2 + Billion (10yr DCF)

- Reuse will be extended to C3I (Command Center) applications in 1Q 1992.

- Will add hardware "leasing" to create "Technology Reuse Center" in FY1993. Strong Congressional endorsement.

Future Process

Std Info Sys

Std Info Sys

Evolutionary Process

Pull Out
Old Component

Plug In
New Component

Business
Case

Industry & Government

Standard
Parts

"Warehouse"

Program Phases
Phase I - FY 92-94

- Full support to business functional area

- Develop common methods and tools

- Centralize data administration/data standardization

- Provide common reuse repositories for DoD functional domains

- Establish DoD technical architectures (e.g., CIM Reference Model)

- Establish Information technology standards

- Operate initial infrastructure

- Technical integration management (TIM functions)

- Provide systems engineering

- Export CIM methods, tools, architecture & standards to C3I arena

Program Phases
Phase II - FY 94-96

- Business information technology capabilities mature, increase emphasis on applying capability to C2 area

- • Business process improvement methods applied to C2 on a wide-spread basis

- Additional capabilities:

- • Provide centralized information management services on a fee-for-service basis

- • Expansion of processing infrastructure

- • Build toward total acquisition management for DoD software & hardware

Major Long-Term Thrust

- Common Processes

- Defensewide Utility

- Software Warehouse

- Institutionalized Standard Methods and Tools

- DoD Standards

Program Phases
Phase III - FY 96-98

- C2 information technology capability maturing

- Additional capability:

- • Systems engineering in Intelligence information systems

- • Expanded infrastructure

- • Competitive environment

- • Fee-for-Service fully implemented